

Converting Colors

XYZ(39.5917, 47.1806, 76.8321)

Have a look what the booklet for
XYZ(39.5917, 47.1806, 76.8321)
contains.

XYZ(39.5917, 47.1806, 76.8321)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(39.5917, 47.1806,
76.8321)**

Conversions

Conversions Part 1

Format	Color
Hex	74C1DF
RGB	116, 193, 223
RGB Percent	45%, 76%, 87%
CMY	0.5451, 0.2431, 0.1255
CMYK	0.48, 0.13, 0.00, 0.13
HSL	197°, 63%, 66%
HSV	197°, 48%, 87%
XYZ	39.5917, 47.1806, 76.8321
YIQ	173.3970, -55.5220, -6.9940

Conversions

Conversions Part 2

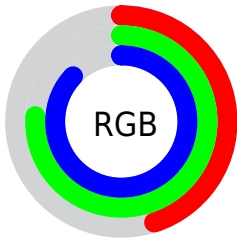
Format	Color
RYB	116, 161, 223
Decimal	7651807
CIELab	74.31, -15.83, -22.36
CIELCh	74, 27.395, 234.698
Yxy	47.1806, 0.2420, 0.2884
Android (android.graphics.Color)	4285841887 (0xFF74C1DF)
YUV	173.3970, 24.4543, -50.3372
Hunter-Lab	68.6881, -17.3172, -18.2380

Details

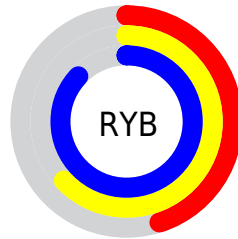
The XYZ color **39.5917, 47.1806, 76.8321** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **43.8639, 37.5080, 21.4524**, and the grayscale version is **39.8237, 41.8977, 45.6266**.

A 20% lighter version of the original color is **69.4692, 84.4755, 107.2517**, and **17.9878, 22.1622, 40.3755** is the 20% darker color. If you saturate the color by 10%, you get **35.6228, 43.1269, 76.2597**, and if you desaturate by 10%, it is **44.3334, 51.7215, 77.4595**.

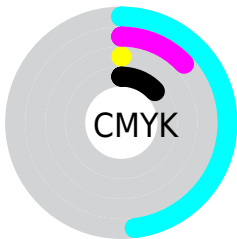
Distribution



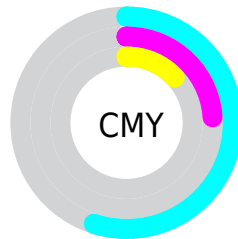
- Red (45%)
- Green (76%)
- Blue (87%)



- Red (45%)
- Yellow (63%)
- Blue (87%)



- Cyan (48%)
- Magenta (13%)
- Yellow (0%)
- Black (13%)



- Cyan (55%)
- Magenta (24%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 39.5917, 47.1806, 76.8321 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 39.5917, 47.1806, 76.8321 by changing the saturation by 10% instead.

■ 39.5917, 47.1806,
76.8321

■ 39.5917, 47.1806,
76.8321

335.5636,
375.5350, 503.6138

■ 27.4031, 33.1784,
56.6043

■ 73.8297, 85.9831,
130.6733

■ 18.0144, 22.2632,
40.2804

■ 96.6098, 111.5523,
165.1238

■ 11.0601, 14.0504,
27.4418

■ 123.6511,
141.7460, 205.1523

■ 6.1748, 8.1557,
17.6699

155.3190,
176.9485, 251.1774

■ 2.9933, 4.1948,
10.5463

191.9789,
217.5442, 303.6175

■ 1.1502, 1.7831,
5.6523

233.9960,

■ 0.0665, 0.4766,

263.9176, 362.8913

2.5695

281.7358,
316.4531, 429.4172

■ 0.0000, 0.0000,
0.8767

■ 0.0000, 0.0000,
0.0000

■ 39.5917, 47.1806,
76.8321

■ 39.5917, 47.1806,
76.8321

■ 35.6228, 43.1269,
76.2597

■ 44.3334, 51.7215,
77.4595

■ 32.3699, 39.5269,
75.7363


■ 49.8909, 56.7697,
78.1410


■ 29.7748, 36.3507,
75.2600


■ 56.3088, 62.3504,
78.8799


■ 27.7678, 33.5612,
74.8273

■ 63.6275, 68.4851,
79.6783


 26.2507, 31.1067,
74.4335


 71.8844, 75.1944,
80.5381

 25.9735, 30.6358,
74.3572

 81.1149, 82.4973,
81.4613

 84.7767, 87.0222,
82.1416

 86.6162, 90.7014,
82.7548

 88.5196, 94.5080,
83.3893

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



36.7799, 47.1806, 63.5555



39.5917, 47.1806, 76.8321



43.9746, 47.1806, 83.3790

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



39.5917, 47.1806, 76.8321



54.9477, 47.1806, 53.9181



41.0027, 47.1806, 30.4640

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



39.5917, 47.1806, 76.8321



43.8639, 37.5080, 21.4524

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



45.7243, 47.1806, 28.8252



39.5917, 47.1806, 76.8321



54.0077, 47.1806, 40.8538

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



39.5917, 47.1806, 76.8321



53.0234, 47.1806, 68.6891



50.5409, 47.1806, 32.2669



37.5518, 47.1806, 37.2408

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



39.5917, 47.1806, 76.8321



47.2893, 47.1806, 82.3181



50.5409, 47.1806, 32.2669



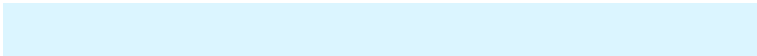
42.4840, 47.1806, 29.3532

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



39.5932, 47.1824, 76.8332



80.0034, 87.6260, 107.3046



38.6663, 58.5194, 35.8589



16.6754, 18.3766, 22.9181



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



39.5932, 47.1824, 76.8332



48.0542, 58.2095, 103.3106



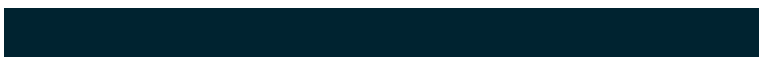
30.0431, 28.0823, 73.6499



13.7748, 14.8887, 17.5355



15.3718, 18.2132, 43.7537



1.1399, 1.4113, 3.0576

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



46.3037, 32.0305, 54.1959



58.5862, 36.6275, 67.2885



53.7867, 57.3536, 24.7600



14.1225, 13.8667, 16.4155



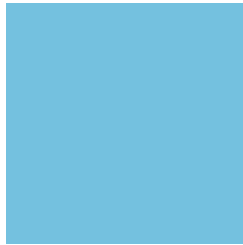
21.6992, 10.7467, 20.8795



1.5416, 0.7599, 1.6451

Previews

White Background



This preview shows how the XYZ color 39.5917, 47.1806, 76.8321 looks on a white background.

Color Contrast Check

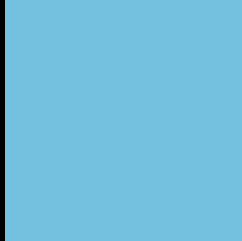
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 39.5917, 47.1806, 76.8321 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

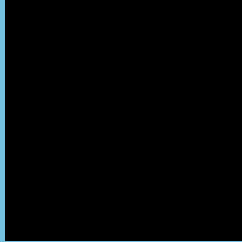
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 39.5917, 47.1806, 76.8321

Background



This preview shows how black text looks on a background with the XYZ color 39.5917, 47.1806, 76.8321.



This preview shows how white text looks on a background with the XYZ color 39.5917, 47.1806,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

39.5917, 47.1806, 76.8321

Protanopia

46.1381, 46.6115, 70.1835

Deuteranopia

47.7793, 46.6789, 78.4432



Tritanopia

37.9551, 47.1781, 68.7339

Trichromacy



Original Color

39.5917, 47.1806, 76.8321

Protanomaly

43.1998, 46.5777, 72.3592

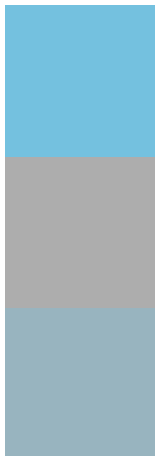
Deuteranomaly

44.0417, 46.2718, 77.8443

Tritanomaly

38.3676, 47.0006, 71.3398

Monochromacy



Original Color

39.5917, 47.1806, 76.8321

Achromatopsia

39.7200, 41.7885, 45.5077

Achromatomaly

38.6741, 43.0795, 55.5670

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.5917, 47.1806, 76.8321 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(116, 193, 223)` looks like.

```
.text, #text, p{  
    color:rgb(116, 193, 223)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(116, 193, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 193, 223) }
```

Border

The CSS property to change the border of an element to XYZ 39.5917, 47.1806, 76.8321 is called "border". The border property can be set on classes, ids or directly on the HTML element.

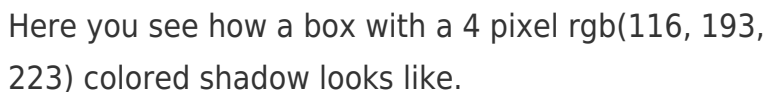
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(116, 193, 223) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(116, 193, 223) }
```

If you want to add a box shadow in that color use:



Here you see how a box with a 4 pixel `rgb(116, 193, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(116, 193, 223); -webkit-box-shadow:4px 4px 4px 4px rgb(116, 193, 223); box-shadow:4px 4px 4px 4px rgb(116, 193, 223) }
```

Background

The CSS property to change the background color of an element to XYZ 39.5917, 47.1806, 76.8321 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 193, 223) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(116,  
193, 223) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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